COMM-TEC ProPLAY Audio

Digital Audio Player

User Manual

Version 1.1

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Date: 5. Juli 2005

2. General Notes

The COMM-TEC ProPLAY Audio is a remote controllable Digital Audio Player designed to use with simple speakers or a separate amplifier. The data will be played back from a Sandisk Compact Flash Card, which is not in the scope of delivery.

Please check the scope of supply, after you have received the shipment. Following has to be included:

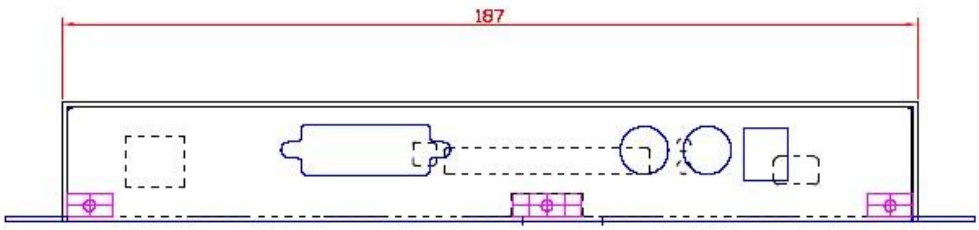
- ProPLAY Audio
- 12V power supply
- IEC power cord with EU plug
- DB-15pin male plug
- User manual

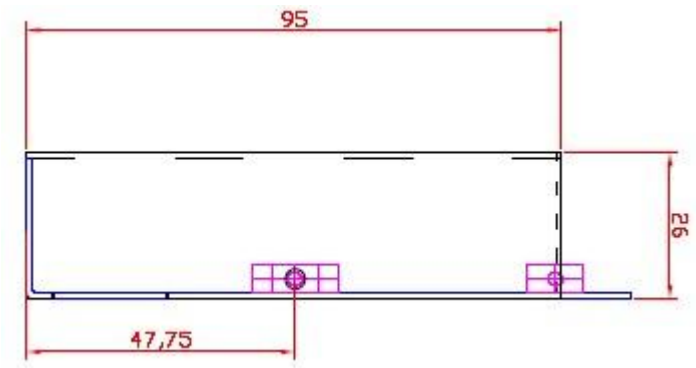
If you realize a hidden transport damage, please contact your insurance company or supplier immediately.

3. Product Description

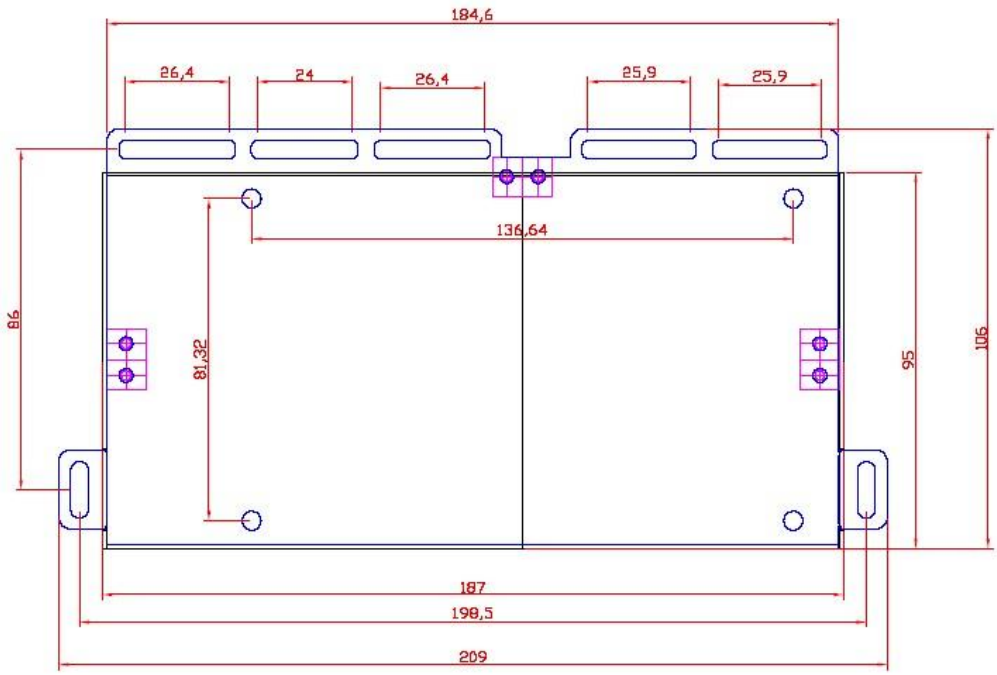
3.1 Product Dimensions

Side View (in mm)

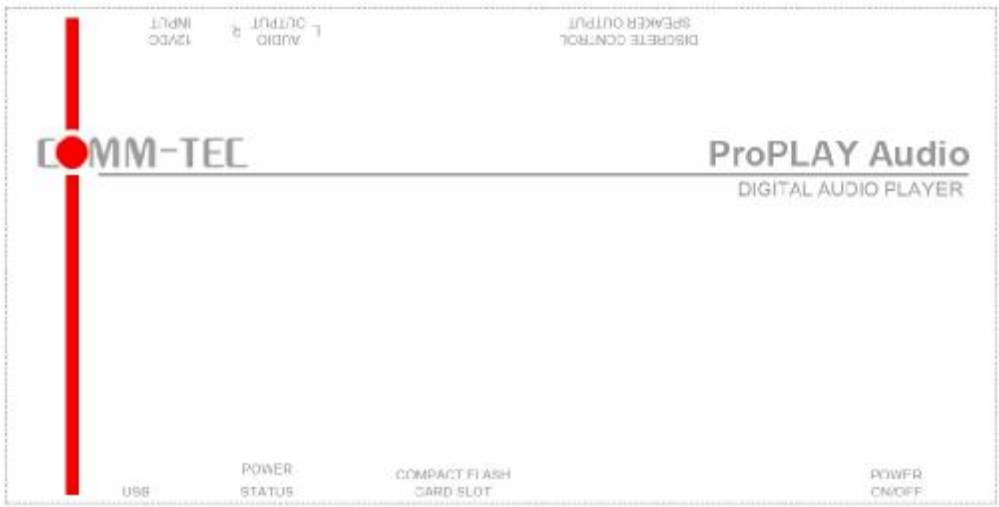




Top View (in mm)

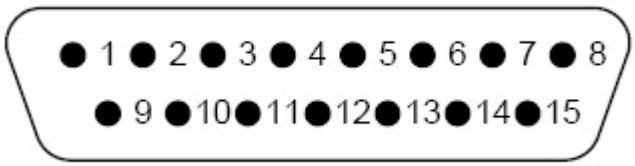


3.2 System Features



Description	Type / Use
Compact Flash Card Slot	25x2 pin Hirose CF-II Socket (accepts CF Card types 1 & 2)
USB	Mini USB Port
Power LED	On (green) / Off (clear)
Status LED	Enabled (green) / disabled (clear)
Discrete control / Speaker output	DB-15 pin female connector
Audio output – stereo right	RCA jack – Right (red)
Audio output – stereo left	RCA jack – Left (white)
12V DC Power input jack	DC power jack. Center pin positive, 2.5mm diam.
Power on/off	Rocker switch

3.3 Connector Assignment DB-15 pin male



front view of the plug

Pin Nr.	Description
1	Button 1
2	Button 2
3	Button 3
4	Button 4
5	Button 5
6	Button 6
7	Button 7
8	Button 8
9	Button Ground
10	Speaker Ground
11	Speaker Output (L)
12	Speaker Ground
13	Speaker Output (R)

4. User Instruction

4.1 Quick Start Instruction

Never connect or disconnect parts of the system when the system is powered up as this may cause serious damage.

Connection and usage are straightforward. However, care needs to be taken with the following:

- Ensuring parts have been correctly connected – both power & signal considerations.
- Checking that all switches are set correctly.
- The input signal is compatible.
- Legal & safety requirements have been met.

Now connect the system as follows:

- Connect amplifier signal connections.
- Connect the power supply (DC 12V @ 1.2A minimum. - ensure correct + & - orientation) to the ProPLAY Audio.
- Power on the amplifier.
- Power on the ProPLAY Audio unit.

4.2 Notes for Correct Use

The ProPLAY Audio is designed for use with speakers or stereo amplifiers. Here are some notes for correct use:

- **Preparation -** Before you proceed, please familiarize yourself with the various connectors, jacks, switches and function buttons of the ProPLAY Audio unit (see item 3.2 - System Features diagrams).

- **The unit** - Handle the unit with care; any knocking may cause components to come loose and disconnect. Operate in a cool and dry place.

- **Power Input:** 12V DC1.2A (minimum) is required; this should be a regulated supply. It is recommended to use the power supply, which is delivered with the ProPLAY Audio unit.

- **Audio Output:** Audio - Stereo output. Volume is controlled by the switch mount buttons or preset with the ProPLAY Studio software.

- **Discrete Control:** An external port for remote button control. Maximum up to 8 buttons can be accessed.

- **Disccrete Control Cable:** The cables to any remote button control should be of suitable quality and length so that impedance does not affect performance. Generally lengths up to 1 metre (3 feet) should be acceptable.

- **Power LED:** The power LED indicator shows power is being supplied to the player – LED light activated by the power on/off switch.

- **Status LED:** The LED indicates the status of CompactFlash card.

- **USB Port:** A port to upload or download content to or from the CompactFlash Card. The port has to be used while the ProPLAY Audio is switched off or disconnected from the power supply.

- **Service & Warranty:** Warranty is invalidated if the unit is dismantled in any way. The unit is not user serviceable or repairable.

CAUTION: Do not attempt to remove any part of the casing or internal parts.

4.3 System Setup

- Installation / Mounting

  The ProPLAY Audio can be installed in different ways, by using the mounting wholes, which are available at three sides of the unit. For applications with limited installation space, the mounting ears at the left and right side can be removed. To remove them, bend them up and down.

- Power Up

  The Autoplay and Sleep playback mode are selected when writing the MP3 files on to the CompactFlash Card by using ProPLAY Studio software.

  Auto-Play start up mode

  - Plug in the external power supply
  - Insert CompactFlash Card containing ProPLAY Studio exported ".pll / .prj" and other digital files. (e.g. .mpg, .mp3) All filename should be in 8+3 format (i.e. xxxxxxxx.xxx) and avoid using any illegal characters like "~", "_", "-", etc
  - Switch the power 'on/off' switch to 'on'.
  - The first track of the collection of MPEG files will be auto-played.

  Sleep mode

  - Plug in the external power supply
  - Insert CompactFlash Card containing ProPLAY Studio exported ".pll / .prj" and other digital files. (e.g. .mpg, .mp3) All filename should be in 8+3 format (i.e. xxxxxxxx.xxx) and avoid using any illegal characters like "~", "_", "-", etc
  - Switch the power 'on/off' switch to 'on'.
  - Press the 'play' button'.
  - The first track of the collection of MPEG files will be played.

  Special specific track playback activated by assigned button can also be performed in sleep mode using ProPLAY Studio software.

Auto-Loop Playback

After Track 1 is set to play, it will play to the end, then Track 2 will start playing from beginning to end, then Track 3 etc. When the ProPLAY plays to the end of the last track, it will automatically jump back to the beginning of Track 1, repeating tracks 1,2 then 3 etc. The ProPLAY will play in auto-loop play mode, so long as none of the

function buttons are pressed. Loop playback is the standard playback setting of the ProPLAY (in simple play and playlist mode) but the track playback sequence can be changed as required using ProPLAY Studio software.

4.4 Operating Instructions

There are two operating modes in ProPLAY– “playlist mode” and “simple play mode” .

- Playlist mode

  When operating in playlist mode, both project file (*.prj) and playlist file (*.pll) must be present on the Compact Flash card. These are used to control the sequence for all audio tracks.

  The project and playlist file are created using **ProPLAY Studio** software. Using this software, you can set simple sequences or complex sequences including “jump track“ or “next track” actions. ProPLAY Studio can also program buttons with different function like “play”, “stop”, “pause”, “mute”, “previous”, “next” and “volume”.

  Note: Make sure all capital letters in filename defined in playlist are consistence with the filename on CompactFlash card. All filename should be in 8+3 format (i.e. xxxxxxxx.xxx) and avoid using any illegal characters like “~”, “_”, “-“, etc

- Simple play mode

  In simple play mode, the user just copies all audio files (.mp3) onto the Compact Flash card. The ProPLAY Audio will play these files in alphabetical sequence.

Operating Functions

The following key buttons are default in “Simple Play mode”.

PLAY (Button 1)
- Resumes playback of audios from track 1 after STOP has been pressed.
- Resumes playback of the track from the point that it has been set to PAUSE.
- Playback is reset back to the beginning of the specific track which is being played at the time the PLAY button is pressed.

STOP (Button 2)
- When STOP is pressed the audio stops playing.

PAUSE (Button 3)
- When PAUSE is pressed the audio stops playing.
- Press Pause again or PLAY to resume normal playback from the position where it was paused.

REPEAT (Button 4)
- When REPEAT is pressed the current track loop back on itself continuously.

- To disable the repeat mode press REPEAT, PLAY, PREVIOUS TRACK or NEXT TRACK . When the track plays to the end it will playback the next track (and etc.) as normal.

NEXT TRACK (Button 5)

- The NEXT TRACK function can be activated only when a track is already playing. When NEXT TRACK is pressed the current audio stops playing and jumps directly to the start of the next track.

VOLUME DECREASE (Button 6)

- Decreases audio output volume setting for both, speaker an line out.

VOLUME INCREASE (Button 7)

- Increases audio output volume setting for both, speaker an line out.

MUTE (Button 8)

- When MUTE is pressed, all the tracks will be still played but without sound.
- Press MUTE again to resume the normal sound in all tracks.

All above buttons can be re-defined by ProPLAY Studio software if operating in playlist mode.

5. Technical Specifications

Playable formats:	MP3 Audio 32 kbit/s to 320 kbit/s
Storage medium:	CompactFlash Memory Cards : Type 1 & Type 2
Output Systems:	Speakers and/or amplifier
Audio Outputs:	Stereo output, connector – RCA jack, 3.2 V p-p max. 5K ohm
Signal-to-Noise:	96 dB
Speaker Output:	2W at 4 Ohm
Select Switches:	Power ON/OFF switch
Indicators:	Power LED, Status LED
Start-up Modes:	Autoplay (at power-on) Sleep mode (after power-on)
Power Input:	12V DC, 500mA typical
Power Consumption:	6 W
Environment:	0 °C to 50 °C , free air circulation
Relative Humidity	5-95% relative humidity, non-condensing
Dimensions:	209 (187) x 26 x 105mm (W x H x D)
Weight :	net weight: 400g
USB Port:	USB 2.0 connector – Mini USB
Discrete Control	8 External Buttons Connection (DB-15 pin)
Storage Accessories:	CompactFlash Card – various memory capacities available 16,32,48,64,96,128,192,256,512MB,1,2,4,8GB